

(19)



JAPANESE PATENT OFFICE

## PATENT ABSTRACTS OF JAPAN

(11) Publication number: 2001124615 A

(43) Date of publication of application: 11.05.01

(51) Int. Cl

**G01F 23/38**

(21) Application number: 11305823

(71) Applicant: YAZAKI CORP

(22) Date of filing: 27.10.99

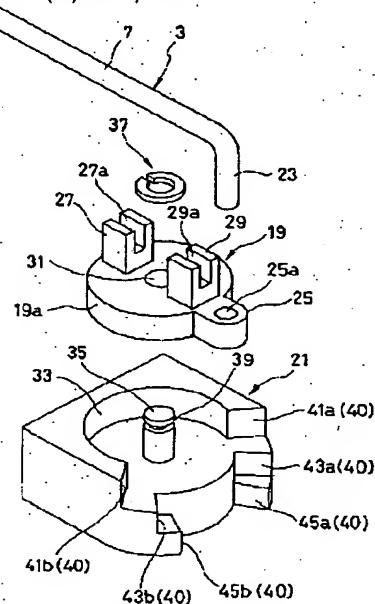
(72) Inventor: TAMURA SHINICHI  
ASAMI TAKASHI  
HIROTA MASAKI**(54) LIQUID LEVEL SENSOR****(57) Abstract:**

**PROBLEM TO BE SOLVED:** To cope with variations of the range of arm deflection angle with one kind of sensor.

**SOLUTION:** This liquid level sensor is equipped with a float arm 3 and stoppers 40. The arm 3, having a float on one end, with the other end supported in an upward/downward rotatable manner on a rotary support part rotates upward/downward in compliance with vertical motion of the float following the rise/fall of a liquid level. The stoppers 40 regulate the range of upward/downward rotation of the arm 3 according to a specific amount of liquid. This level sensor is characterized in that the support part is formed as an arm holder 19 supported in an upward/downward rotatable manner on a sensor frame 21 and capable of supporting the arm 3, that a stopper engagement part 23 having a selectively variable length is provided on the other end of the arm 3, and that the stoppers 40 are each formed to have a plurality of

steps having different regulation zones according to the length of the engagement part 23.

COPYRIGHT: (C)2001,JPO



This page blank (uspto)